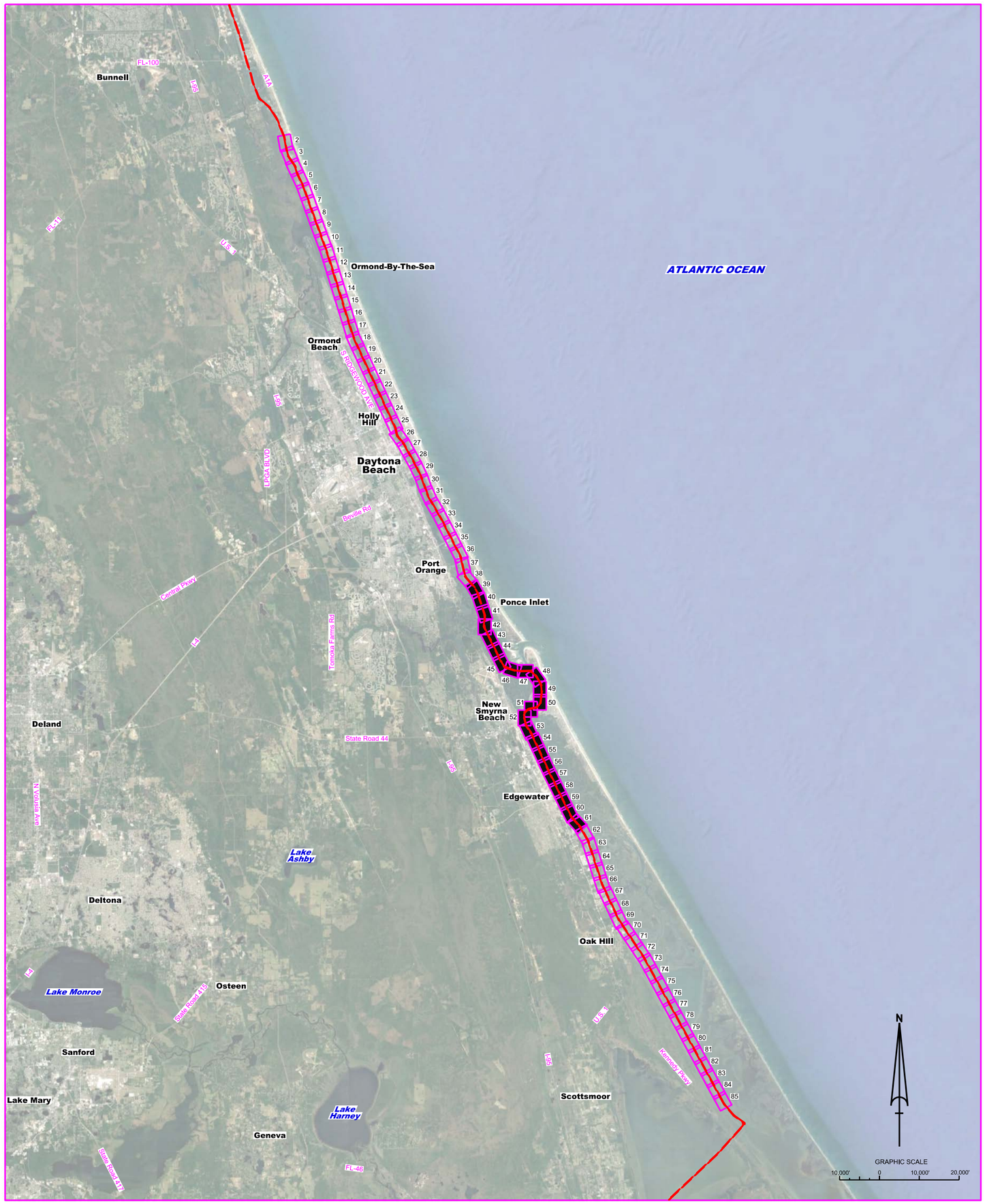

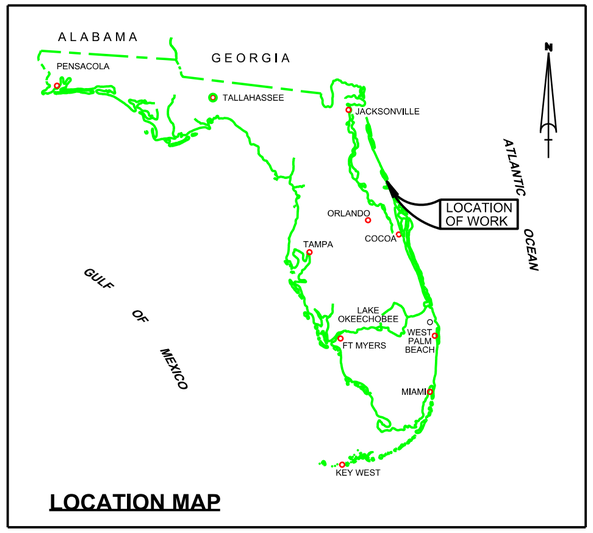

LOCATION MAP

IWW - JACKSONVILLE TO MIAMI
CUTS V22 THRU V40
VOLUSIA COUNTY, FL
HYDROGRAPHIC EXAM SURVEY FY22
12-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 22-158.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "VOLUSIA-BREVARD (W-O_CANAVERALHBR_2021 10 04.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "PDI-26" FOR CUTS V-22 THRU V-38 STA. 55+00 (PID: DK6691)

   TIDE WAS READ AT STAFF FROM "872-1147 TIDAL 1" (PID: AQ1522)

   REFERENCE BASE LOCATED AT "872-1191 E" FROM CUT V-38 STA. 55+00 THRU CUT V-40 (PID: DK6681)

   TIDE WAS READ BY MEASURE DOWN FROM "872-1191 E" (PID: DK6881)
8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION "872-1147" FOR V-22 THRU V-38 (NGS PID: AQ1522)

   NOAA TIDAL STATION "872-1191" FOR V-38 THRU V-40 (PID: DK6881)

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER MODEL 835C WITH A DUAL-FREQUENCY (28/200 KHZ) SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-36	19 JUL 2022	V-25 THRU V-27
SB-36	20 JUL 2022	V-23 AND V-24
SB-36	21 JUL 2022	V-22 THRU V-28
SB-36	02 AUG 2022	V-29 THRU V-33
SB-36	03 AUG 2022	V-34 THRU V-38 STA 55+00
SB-36	04 AUG 2022	V-38 STA 56+00 THRU V-40

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 2013.

LEGEND	
△	MONUMENT
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: WRM
Drawn by: WRM
Cad by: GMR
Inv. No.: W912EP-XX-X-XXXX
Dated: MAR 2022

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
22-158-IAINDEX_VO.DGN
IWW-C-NGMCCF.DGN
Z:\22CA-C-BS-BRDR_VO.DGN
Reference files:
22-158-IPH001_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

INDEX, LOCATION AND VICINITY

MAP

Scale: AS SHOWN

Drawing no.

1 / 24

SHEET 01 OF 85